

Title (en)
SPIN ANNEALED POLY(TRIMETHYLENE TEREPHTHALATE) YARN

Title (de)
SPINNGETEMPERTES POLYTRIMETHYLTERPHTHALATGARN

Title (fr)
FIL POLY(TRIMETHYLENE TEREPHTHALATE) RECUIT PAR FILAGE

Publication
EP 1590511 A4 20071107 (EN)

Application
EP 04708231 A 20040204

Priority

- US 2004003381 W 20040204
- US 44515803 P 20030205
- US 66329503 A 20030916

Abstract (en)
[origin: US2004151904A1] A spinning process for poly(trimethylene terephthalate) and an analytical method wherein the process provides an aging resistant poly(trimethylene terephthalate) yarn and the analytical method provides predictability to the process.

IPC 1-7
D01D 5/088; **D01D 10/02**; **D01F 6/62**; **D02G 3/02**; **G01B 5/02**; **G01L 5/04**

IPC 8 full level
D01D 5/084 (2006.01); **D01D 5/088** (2006.01); **D01D 10/02** (2006.01); **D01F 6/62** (2006.01); **D02G 3/00** (2006.01); **D02G 3/02** (2006.01); **G01B 5/02** (2006.01); **G01L 5/04** (2006.01)

IPC 8 main group level
D02J (2006.01)

CPC (source: EP KR US)
D01D 5/084 (2013.01 - KR); **D01D 5/088** (2013.01 - KR); **D01F 6/62** (2013.01 - EP KR US); **Y10T 428/2929** (2015.01 - EP US)

Citation (search report)

- [PA] EP 1285876 A1 20030226 - ASAHI CHEMICAL IND [JP]
- See references of WO 2004072340A2

Cited by
DE102013013544A1

Designated contracting state (EPC)
DE ES FR GB IT TR

DOCDB simple family (publication)
US 2004151904 A1 20040805; **US 7005093 B2 20060228**; CN 1771357 A 20060510; CN 1771357 B 20150819; EP 1590511 A2 20051102; EP 1590511 A4 20071107; EP 1590511 B1 20120125; ES 2381049 T3 20120522; JP 2007524764 A 20070830; JP 4571123 B2 20101027; KR 101197816 B1 20121105; KR 20050098892 A 20051012; TW 200510587 A 20050316; TW I328053 B 20100801; WO 2004072340 A2 20040826; WO 2004072340 A3 20041014

DOCDB simple family (application)
US 66329503 A 20030916; CN 200480009399 A 20040204; EP 04708231 A 20040204; ES 04708231 T 20040204; JP 2006503359 A 20040204; KR 20057014435 A 20040204; TW 93102618 A 20040205; US 2004003381 W 20040204